

SEQUENCE LISTING



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120 Nucleic acid enzymes acquiring an activity for cleaving a  
target RNA by recognizing another molecule

130

140

141

150 JP 2000-313320

151 2000-10-13

160 17

170 PatentIn Ver. 2.0

210 1

211 32

212 RNA

213 Artificial Sequence

220

223 Description of Artificial Sequence: maxizyme-constituting RNA mole

cule

400 1

gguccuggee ugaugagagu gaugagcucu uc

32

210 2

211 27

212 RNA

213 Artificial Sequence

220

223 Description of Artificial Sequence: maxizyme-constituting RNA molecule

400 2

gucugacugu ucaucgaaac cgggucc

27

210 3

211 33

212 RNA

213 Artificial Sequence

220

223 Description of Artificial Sequence: maxizyme-constituting RNA molecule

400 3

gguccuggee ugaugagagu uauugauggu cag

33

210 4

211 29

212 RNA

213 Artificial Sequence

220

223 Description of Artificial Sequence: maxizyme-constituting RNA molecule

400 4

gaagggeuuc uuucaugaa accgggucc

29

210 5

211 88

212 RNA

213 Artificial Sequence

220

223 Description of Artificial Sequence: tRNA<sup>Val</sup> promoter sequence

400 5

accguugguu uccguagugu agugguuauc acguuagccu aacacggegaa aggucccccgg 60

auugaaaccg ggcacuacaa aaaccaac 88

210 6

211 33

212 RNA

213 Artificial Sequence

220

223 Description of Artificial Sequence: ribozyme

220

223 n is a, c, g or u.

400 6

nnnnncugau gaggcgaaa ggcgaaann nnn

33

210 7

211 24

212 RNA

213 Artificial Sequence

220

223 Description of Artificial Sequence: left side sequence  
of maxizyme

400 7

cgaugaccug augagegaaa cgge

24

210 8

211 24

212 RNA

213 Artificial Sequence

220

223 Description of Artificial Sequence: right side sequence  
of maxizyme

·400· 8

·gggggcugau gagegaaaacg uucc

24

·210· 9

·211· 13

·212· RNA

·213· Artificial Sequence

·220·

·223· Description of Artificial Sequence: substrate

·400· 9

·ggcguguca ucg

13

·210· 10

·211· 11

·212· RNA

·213· Artificial Sequence

·220·

·223· Description of Artificial Sequence: substrate

·400· 10

·ggcguccecc g

11

·210· 11

·211· 15

·212· RNA

· 213 · Artificial Sequence

· 220 ·

· 223 · Description of Artificial Sequence: substrate

· 400 · 11

ggaagugcu cguug

15

· 210 · 12

· 211 · 40

· 212 · RNA

· 213 · Artificial Sequence

· 220 ·

· 223 · Description of Artificial Sequence: wild type ribozyme

· 400 · 12

gguccuggcc ugaugagccc gaaaggccga aaccgggucc

40

· 210 · 13

· 211 · 19

· 212 · RNA

· 213 · Artificial Sequence

· 220 ·

· 223 · Description of Artificial Sequence: part of bel-2 mRNA as  
a substrate

· 400 · 13

ggacccegguc gccaggacc

19

· 210 · 14

· 211 · 25

· 212 · RNA

· 213 · Artificial Sequence

· 220 ·

· 223 · Description of Artificial Sequence: part of HIV tat mRNA

· 400 · 14

gaagagcuca ucagaacagu cagac

25

· 210 · 15

· 211 · 28

· 212 · RNA

· 213 · Artificial Sequence

· 220 ·

· 223 · Description of Artificial Sequence: part of BCR-ABL mRNA

· 400 · 15

cugaccauca auaaggaaga agcecuuc

28

· 210 · 16

· 211 · 20

· 212 · RNA

· 213 · Artificial Sequence

<220>

<223> Description of Artificial Sequence: part of normal ABL mRNA

<400> 16

uuauuggaa gaagcccuuc

20

<210> 17

<211> 138

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: tRNA<sup>Val</sup> T-MzL

<400> 17

accguugguu uccguagugu agugguuau cguucgccu aacacgcgaa aggucccccgg 60

uucgaaaccg ggcacuacaa aaaccaacuu ugucugacug uucaucgaaa ccggguccgg 120

uaccccgga ucuuuuuu 138